

AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended): A steel sheet with excellent bendability comprising:

C : from 0.06 mass% to 0.25 mass%;

at least one of Si and Al : total 0.5-3 mass%;

Mn : from 0.5 mass% to 3 mass%;

P : ~~no more than~~ from 0.03 mass% to 0.15 mass% (~~excluding 0 mass%~~); and

S : no more than 0.02 mass% (excluding 0 mass%), wherein

~~the main structure of said steel sheet comprises~~ includes 5-30 area% of retained austenite ~~of 5-30 area%~~ and no less than 50 area% of ferrite of ~~no less than 50 area%~~, ;

the retained austenite and ferrite account for no less than 70 area% of the steel sheet;

and ~~wherein~~

there exist no more than 40 carbide grains per 2000 μm^2 in the steel sheet.

Claim 2 (Original): The steel sheet as defined in Claim 1, further comprising at least one member selected from the group consisting of:

Mo : no more than 1 mass% (excluding 0 mass%);

Ni : no more than 0.5 mass% (excluding 0 mass%); and

Cu : no more than 0.5 mass% (excluding 0 mass%).

Claim 3 (Original): The steel sheet as defined in Claim 1, further comprising at least one of Ca of no more than 0.003 mass% (excluding 0 mass%) and rare earth element of no more than 0.003 mass% (excluding 0 mass%).

Claim 4 (Currently Amended): The steel sheet as defined in Claim 1, wherein the ~~main structure of said steel sheet comprises~~ includes 5-20 area% of retained austenite ~~of 5-20 area%~~.

Claim 5 (Currently Amended): The steel sheet as defined in Claim 1, wherein there exist no more than 30 carbide grains per $2000 \mu\text{m}^2$ in ~~said~~ the steel sheet.

Claim 6 (New): The steel sheet as defined in Claim 1, wherein the steel sheet is produced by a process comprising

heating a steel to a temperature higher than the A_1 point and lower than the A_3 point;
then cooling the steel to a temperature of $700 \pm 30^\circ\text{C}$;
keeping the steel at the temperature of $700 \pm 30^\circ\text{C}$ for 10-30 seconds;
then cooling the steel at a cooling rate larger than 10°C/sec to a temperature of $400 \pm 50^\circ\text{C}$; and
then cooling the steel to room temperature.

Claim 7 (New): A method of making a steel sheet, the method comprising
heating a steel; and
producing the steel sheet of Claim 1.

Claim 8 (New): The method as defined in Claim 7, wherein the heating comprises:

keeping the steel at a temperature higher than the A_1 point and lower than the A_3

point;

then cooling the steel to a temperature of $700\pm30^{\circ}\text{C}$;

keeping the steel at the temperature of $700\pm30^{\circ}\text{C}$ for 10-30 seconds;

then cooling the steel at a cooling rate larger than 10°C/sec to a temperature of $400\pm50^{\circ}\text{C}$; and

then cooling the steel to room temperature.